



United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region

Montana Area Office

P.O. Box 30137

Billings, Montana 59107-0137



IN REPLY REFER TO: MT-450

October 2, 2014

FAXOGRAM: Water Order Change

To: Chief, Power Supply and Billing Division, WAPA, Watertown, South Dakota
Attention: F-6300
Chief, Power Dispatching Branch, WAPA, Loveland, Colorado
Attention: J-4120
Facilities Manager, Helena, Montana
Attention: MT-800, MT-810, MT-831
Project Manager, Mills, Wyoming
Attention: WY-4000, WY-4100, WY-6400
PPL Energy Plus, LLC, Butte, Montana
Attention: Resource Coordinator, Deb Mallowney

From: Reservoir and River Operations, Billings, Montana /S/ Stephanie Micek

Subject: **Canyon Ferry Water Release Order - CFR No. 15-01**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3791.18; Storage: 1,698,873 acre-feet; River Release: 4,300 cfs; Inflow: 4,100 cfs;

GENERAL COMMENTS:

Canyon Ferry personnel has requested powerplant outages over the next several weeks to allow for unit transformer maintenance. During each outage, the turbine releases will be restricted and limited to a 2-unit capacity. During non-outage timeframes, all units will be available. In response, the following operation change is required at Canyon Ferry Dam and Powerplant.

CANYON FERRY RELEASES AND OPERATIONS: Times are Mountain Daylight Savings Time (MDST)

During 1300 hour on Monday, October 6, 2014 through 1630 hours on Thursday, October 9, 2014:

Increase releases through the river outlet gates to 750 cfs.

Maintain releases through the spillway gates at 0 cfs.

Decrease turbine release to $\approx 3,550$ cfs (≈ 864 MW-Hrs/day using 98.6 cfs/mw).

Maintain release for Helena Valley Project at 0 cfs.

Maintain release to the Missouri River at 4,300 cfs.

Maintain total release from Canyon Ferry at 4,300 cfs.

Special Note: Units are restricted and limited to a 2-unit capacity

During 1630 hour on Thursday, October 9, 2014 through 0800 hours on Tuesday, October 14, 2014:

Decrease releases through the river outlet gates to 0 cfs.

Maintain releases through the spillway gates at 0 cfs.

Increase turbine release to $\approx 4,300$ cfs (≈ 1083 MW-Hrs/day using 95.3 cfs/mw).

Maintain release for Helena Valley Project at 0 cfs.

Maintain release to the Missouri River at 4,300 cfs.

Maintain total release from Canyon Ferry at 4,300 cfs.

During 0800 hour on Tuesday, October 14, 2014 through 1630 hours on Thursday, October 16, 2014:

Increase releases through the river outlet gates to 750 cfs.

Maintain releases through the spillway gates at 0 cfs.

Decrease turbine release to $\approx 3,550$ cfs (≈ 864 MW-Hrs/day using 98.6 cfs/mw).

Maintain release for Helena Valley Project at 0 cfs.

Maintain release to the Missouri River at 4,300 cfs.

Maintain total release from Canyon Ferry at 4,300 cfs.

Special Note: Units are restricted and limited to a 2-unit capacity

During 1630 hour on Thursday, October 16, 2014 through 0800 hours on Monday, October 20, 2014:

Decrease releases through the river outlet gates to 0 cfs.

Maintain releases through the spillway gates at 0 cfs.

Increase turbine release to $\approx 4,300$ cfs (≈ 1083 MW-Hrs/day using 95.3 cfs/mw).

Maintain release for Helena Valley Project at 0 cfs.

Maintain release to the Missouri River at 4,300 cfs.

Maintain total release from Canyon Ferry at 4,300 cfs.

During 0800 hour on Monday, October 20, 2014 through 1630 hours on Thursday, October 23, 2014:

Increase releases through the river outlet gates to 750 cfs.

Maintain releases through the spillway gates at 0 cfs.

Decrease turbine release to $\approx 3,550$ cfs (≈ 864 MW-Hrs/day using 98.6 cfs/mw).

Maintain release for Helena Valley Project at 0 cfs.

Maintain release to the Missouri River at 4,300 cfs.

Maintain total release from Canyon Ferry at 4,300 cfs.

Special Note: Units are restricted and limited to a 2-unit capacity

At 1630 hour on Thursday, October 23, 2014:

Decrease releases through the river outlet gates to 0 cfs.

Maintain releases through the spillway gates at 0 cfs.

Increase turbine release to $\approx 4,300$ cfs (≈ 1083 MW-Hrs/day using 95.3 cfs/mw).

Maintain release for Helena Valley Project at 0 cfs.

Maintain release to the Missouri River at 4,300 cfs.

Maintain total release from Canyon Ferry at 4,300 cfs.